

Method For Making A Thermoformable Liner

Abstract of Disclosure

A custom-fitting prosthetics liner is made without mixing silicone and without making a mold. A thermoformable liner is made by preparing a negative cast from a patient's residual limb, preparing a positive cast from the negative cast, and placing a thermoformable tubular liner over the positive cast. The positive cast and liner are heated in an oven for a predetermined time and temperature. Having acquired a new geometry, the cast and liner are removed from the oven and allowed to cool to room temperature. The liner is then removed from the cast. Alternatively the liner is heated, placed over the positive cast, cooled and removed. The interior surface of the liner conforms to the shape of the cast. The liner is elastic so that it returns to its new geometry when stretched and released. It therefore holds on to a residual limb even when the residual limb shrinks.

Figures

APP-10063809